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drill and rig and communication

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L6: Entry 2 of 2

File: USPT

Dec 27, 1988

DOCUMENT-IDENTIFIER: US 4794534 A

TITLE: Method of drilling a well utilizing predictive simulation with real time data

Detailed Description Text (15):

The data collected from both the analog or digital signal generating sensors and via entry is sent in data record format. Each sensor provides its signal to the logging unit 18 which transforms the signals into usable data records. Each data record can be identical in size and includes the necessary header information. The body of each record is tailored to capture the information about one specific rig activity or information requirement. Because each record has a different purpose, the frequency of transmission of the records to the remote operations facility 20 varies greatly. Depth records are generated every foot drilled, while solids control equipment records are generated only when an on/off status of a piece of equipment changes. All variable descriptions within the data records specify either an instantaneous reading or an average reading, with the average readings averaged over a given time period or event depending upon the type of record. For example, the drilling interval record is generated once per foot, therefore, the readings for the record are averaged over the 1 ft interval.

Detailed Description Text (25):

The remote operations facility 20 includes cooperable, and in some cases identical, monitoring/supervising equipment with that utilized in the monitoring facility 14. To provide the best possible supervision of the well drilling activity by the personnel on site, camera monitors 39, drill data graphic displays 40, and microphone(s) 41 and speaker(s) 42 are provided. The engineer in the remote operations facility 20 can be in audio, visual and graphical two-way communication with the engineers on the drill rig 10 and also with the monitoring facility 14. Further, if needed, the well site personnel can utilize the computers at the monitoring facility 14 or elsewhere via computer terminals 43 and printers 44, which are connected through the multiplexer 31.

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Search Results -

Terms	Documents
(handheld or portable or laptop or head up display\$3 or hud or head mount display\$3 or hmd) same (attach\$6 or connect\$6) same (person or individu or people) same drill\$3 same rig	3

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<i>DB=PGPB,USPT; PLUR=YES; OP=ADJ</i>			
<u>L5</u>	(handheld or portable or laptop or head up display\$3 or hud or head mount display\$3 or hmd) same (attach\$6 or connect\$6) same (person or individu or people) same drill\$3 same rig	3	<u>L5</u>
<u>L4</u>	(handheld or portable or laptop or head up display\$3 or hud or head mount display\$3 or hmd) same (attach\$6 or connect\$6) same (person or individu or people) same drill\$3 same rig	3	<u>L4</u>
<u>L3</u>	(handheld or portable or laptop or head up display\$3 or hud or head mount display\$3 or hmd) same (person or individual\$6) same drill\$3 same rig	10	<u>L3</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L2</u>	L1 and drill\$3 same rig	0	<u>L2</u>
<u>L1</u>	(5504491 or 5730219 or 6867752).pn.	3	<u>L1</u>

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Search Results -

Terms	Documents
(remot\$3 or wireless\$3) same (monitor\$3 or captur\$3) same drill\$3 same rig same activity	2

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Search:

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side by side			
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<u>L6</u>	(remot\$3 or wireless\$3) same (monitor\$3 or captur\$3) same drill\$3 same rig same activity	2	<u>L6</u>
<u>L5</u>	(handheld or portable or laptop or head up display\$3 or hud or head mount display\$3 or hmd) same (attach\$6 or connect\$6) same (person or individu or people) same drill\$3 same rig	3	<u>L5</u>
<u>L4</u>	(handheld or portable or laptop or head up display\$3 or hud or head mount display\$3 or hmd) same (attach\$6 or connect\$6) same (person or individu or people) same drill\$3 same rig	3	<u>L4</u>
<u>L3</u>	(handheld or portable or laptop or head up display\$3 or hud or head mount display\$3 or hmd) same (person or individual\$6) same drill\$3 same rig	10	<u>L3</u>
<i>DB=USPT; PLUR=YES; OP=ADJ</i>			
<u>L2</u>	L1 and drill\$3 same rig	0	<u>L2</u>
<u>L1</u>	(5504491 or 5730219 or 6867752).pn.	3	<u>L1</u>

END OF SEARCH HISTORY